

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/IL2004/001043

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B01J19/00 G01N33/557 G01N33/543

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B01J G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KARLSSON ROBERT ET AL: "Surface Plasmon Resonance Detection and Multispot Sensing for Direct Monitoring of Interactions Involving Low-Molecular-Weight Analytes and for Determination of Low Affinities" ANALYTICAL BIOCHEMISTRY, vol. 228, no. 2, 1995, pages 274-280, XP002319706 ISSN: 0003-2697	1-6,12
Y	page 274, right-hand column, paragraph 2 page 275, left-hand column, paragraph 2 page 275, right-hand column, last paragraph - page 277, right-hand column, last paragraph page 278, right-hand column, paragraph 3 - page 280, right-hand column, last paragraph figures 2-4 ----- -/--	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

25 May 2005

Date of mailing of the international search report

13. 07. 2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2004/001043

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 429 807 A (MATSON ET AL) 4 July 1995 (1995-07-04) column 1, line 44 - column 2, line 16 column 3, line 35 - column 4, line 5 column 4, line 60 - column 7, line 4 claims 1,2,5-8,11,12,14-17; figures 1,2,5-8	1-11
Y	WO 03/065041 A (SRU BIOSYSTEMS, LLC; CUNNINGHAM, BRIAN, T; PEPPER, JANE; LIN, BO; LI,) 7 August 2003 (2003-08-07) page 3, lines 6-25 page 4, line 17 - page 6, line 13 page 17, lines 5-15 page 23, line 20 - page 26, line 17 page 31, line 22 - page 35, line 2 page 38, line 6 - page 40, line 7 page 46, line 18 - page 48, line 3 page 51, line 22 - page 52, line 7 claims 1,12,14-19,23-26,41,42; figures 18,33,42; example 14	1-11
X	page 9, lines 1-9 page 18, lines 19-21 page 40, line 8 - page 41, line 4 page 45, lines 12-20 figure 9; example 8	12
Y	US 2003/128043 A1 (ZELTZ PATRIC ET AL) 10 July 2003 (2003-07-10) paragraph '0007! paragraphs '0016! - '0026! paragraphs '0047! - '0053! claims 1,11,13; figures 1-8	1-11
A	WO 03/056296 A (KLAKAMP SCOTT, L; MYSZKA, DAVID, G) 10 July 2003 (2003-07-10) the whole document	1-11
X	US 2003/198967 A1 (MATSON ROBERT S ET AL) 23 October 2003 (2003-10-23) figure 1 paragraphs '0006! - '0009! paragraph '0023! paragraphs '0026!, '0027! paragraph '0029! paragraph '0031! paragraphs '0035!, '0036! paragraphs '0042!, '0043! claims 1,2,4,5,10,11; examples 1-5	12,17
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2004/001043

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 268 141 B1 (MATSON ROBERT S ET AL) 31 July 2001 (2001-07-31) column 2, lines 19-37 column 2, line 62 - column 3, line 9 column 4, line 56 - column 9, line 15 column 10, lines 22-46 claims 1,12,14-17 -----	12,17
X	US 6 200 814 B1 (MALMQVIST MAGNUS ET AL) 13 March 2001 (2001-03-13) column 3, lines 15-40 column 4, lines 4-39 column 10, lines 5-44 column 11, lines 7-22 column 13, lines 30-58 column 15, line 37 - column 16, line 27 claims 1,2; figures 13A-13E -----	12-17
X	US 6 498 010 B1 (FITZGERALD STEPHEN PETER ET AL) 24 December 2002 (2002-12-24) column 3, lines 36-53 column 5, lines 17-47 column 5, line 64 - column 7, line 34 claims 1,3,4,6-9,17,18; example 1 -----	12,17
X	LOFAS S ET AL: "BIOANALYSIS WITH SURFACE PLASMON RESONANCE" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. B05, no. 1 / 4, 1 August 1991 (1991-08-01), pages 79-84, XP000265940 ISSN: 0925-4005 figure 2 page 79, right-hand column, last paragraph page 82, left-hand column, paragraph 3 -----	12,13,17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2004/001043

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-17
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Method for determining kinetic parameters between a first and a second binding member.

2. claims: 12-17

Method for localizing a molecular species on microspots on a surface.

3. claims: 18-28

A system (apparatus) for detecting a plurality of binding reactions between probe and target species.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/001043

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